

Title (en)
A process for the preparation of chlorofluoropolyoxyalkylenols

Title (de)
Verfahren zur Herstellung von Chlorfluorpolyoxyalkylenolen

Title (fr)
Procédé pour la préparation de chlorofluoropolyoxyalkylénols

Publication
EP 1258469 B1 20060118 (EN)

Application
EP 02010567 A 20020510

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IT MI20011034 A 20010518

Abstract (en)
[origin: EP1258469A2] A process to obtain fluoropolyoxyalkylenes having the structure: T-O-(CF₂CF(CF₃)O)_n-1-(CF(CF₃)O)_m-CF₂-CH₂OH wherein: T = C₁-C₃ perfluoroalkyl containing one Cl atom; n = an integer from 1 to 15; m/n = 0-0.5, m+n such to have a number molecular weight in the range 280-4,000; said process comprising: a) the gradual addition of a metal hydride in admixture with a solvent to an ester precursor having the structure T-O-(CF₂CF(CF₃)O)_n-1-(CF(CF₃)O)_m-CF₂-COOR wherein R = C₁-C₂₀ alkyl, or aromatic, cycloalkyl or heterocyclic residue, b) the hydrolysis of the reaction mixture obtained in step a) with an aqueous acid solution, the subsequent separation from the obtained organic phase of the compounds of structure (I).

IPC 8 full level
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